

UNITED STATES ARMY RESEARCH LABORATORY (ARL)
**MICRO AUTONOMOUS SYSTEMS AND TECHNOLOGY (MAST)
COLLABORATIVE TECHNOLOGY ALLIANCE (CTA)**

**AMENDMENT 0001 TO THE
PROGRAM ANNOUNCEMENT**

W911NF-06-R-0006

16 October 2006

The following changes are made to the PROGRAM ANNOUNCEMENT:

1. In **PART I – EXECUTIVE SUMMARY**, the Proposal Due Date as set forth under the paragraph entitled “**Award Schedule**” is changed as follows:

FROM:

25 October 2006

TO:

20 November 2006

2. **PART VIII – PROPOSAL PREPARATION AND SUBMISSION**, is hereby replaced in its entirety. PART VIII is attached to this Amendment.
3. In **PART VII – CONSORTIUM QUALIFICATIONS**, the definition for the PRINCIPAL MEMBERS is changed to read as follows:

“Principal Member for Integration (also the Consortium Lead) – expected (but not required) to be a US industrial concern with significant existing operations in order to support research and transition activities associated with the MAST CTA. Significant operations are defined as having the ability to perform research, transition and support activities, utilizing in-house engineers and scientists. The Principal Member for Integration has primary responsibility for articulating and executing a vision on cross-Consortium integration. This Member is expected to articulate a vision for the CTA, promote collaboration among Principal Members, promote collaboration between Principal Members and members of Alliance, and coordinate crosscutting themes with Principal Members. This Member is required to administer, integrate, and manage the Consortium, participate in the research, and promote the transition of technologies resulting from the Fundamental Research Component of the MAST CTA. This includes distribution of Government funding to Consortium Members (directly to both the other Principal Members and the General Members) in accordance with the approved IPP/APP under the agreement. This Member is expected to provide Technical Leadership in the area of Integration, and in its role as the Consortium Lead, this Member is to provide Technical Leadership concerning all Consortium activities. This Member’s Leadership expertise is also expected to enhance the potential for transition of the resultant technology into both the commercial and military marketplaces.

Principal Members for the three Research Centers – Each Principal Member of the three research Centers is required to be an advanced degree-granting educational institution under the Higher Education Act of 1965 as amended. Further, the Principal Member will have doctoral level courses of study in related scientific and technical areas that can result in the granting of a doctoral degree. These Principal Members are expected to participate in the Fundamental Research Component with their researchers being substantially and meaningfully engaged in the MAST CTA. These Principal Members are expected to provide Technical Leadership in each of their Research areas, and in their Leadership role, these Principal Members are also to promote the transition of technologies resulting from the Fundamental Research Component.”

PART VIII
PROPOSAL PREPARATION AND SUBMISSION

Proposal Submission Information

Proposals must be submitted according to the instructions contained herein. **Proposals in connection with this PA are to be submitted to the delivery location as specified below, by the time specified below.** Attachment 1 to the PA contains provisions for Late Submissions of Proposals.

Delivery Address:

US Army RDECOM Acquisition Center
Research Triangle Park Contracting Division
ATTN: AMSRD-ACC-R (Linda Young)
4300 S. Miami Boulevard
Durham, NC 27703

The proposal must be submitted directly to the delivery address by the specified time below:

Due date and Time: 20 November 2006, 2:00pm EDT

Each proposal for the three research Centers shall consist of the following:

- **hard copies of the separately bound proposal items/volumes listed below; and**
- **soft copies of the proposal on CDs in the format as called for below.**

(Note: Each of these items shall be separately bound.)

PROPOSALS FOR THE RESEARCH CENTERS	
PROPOSAL ITEM/VOLUME	NUMBER OF COPIES
Proposal Cover Sheet with Authorized Signature - (See Attachment 2) and Signatures of the Principal Member and all proposed General Members on the Articles of Collaboration Acknowledgment Coversheet (See Attachment 5.)	Qty 1 – original Qty 2 – hard copies
Fundamental Research Component Summary (A brief, up to 5 page abstract which summarizes the content of the Fundamental Research Component of the proposal.)	Qty 1 – original Qty 15 – hard copies Qty 15 – CD*
Fundamental Research Component Volume** (to include Biographical Sketches)	Qty 1 – original Qty 15 – hard copies Qty 15 - CD*

Technology Transition Component Volume**	Qty 1 – original Qty 15 – hard copies Qty 15- CD*
Program Management Volume** (to include Biographical Sketches)	Qty 1 – original Qty 15 – hard copies Qty 15- CD*
Cost Volume for Fundamental Research Component**	Qty 1 – original Qty 5 – hard copies
Completed Representations and Certifications (See Attachment 6.)	Qty 1 – original Qty 5- hard copies
Any Exceptions, Conditions or Comments concerning the Model Cooperative Agreement (See Attachment 3.)	Qty 1 - original Qty 5 – hard copies Qty 1 – CD*

Each proposal for the research area of Integration shall consist of the following:

- hard copies of the separately bound proposal items/volumes listed below; and
- soft copies of the proposal on CDs in the format as called for below.

(Note: Each of these items shall be separately bound.)

INTEGRATION PROPOSALS	
PROPOSAL ITEM/VOLUME	NUMBER OF COPIES
Proposal Cover Sheet with Authorized Signature - (See Attachment 2) and Signatures of the Principal Member and all proposed General Members on the Articles of Collaboration Acknowledgement Coversheet (See Attachment 5.)	Qty 1 – original Qty 2 – hard copies
Fundamental Research Component Summary (A brief, up to 5 page abstract which summarizes the content of the Research Component of the proposal.)	Qty 1 – original Qty 15 – hard copies Qty 15 – CD*
Fundamental Research Component Volume** (to include Biographical Sketches)	Qty 1 – original Qty 15 – hard copies Qty 15- CD*
Technology Transition Component Volume**	Qty 1 – original Qty 15 – hard copies Qty 15- CD*
Program Management Volume** (to include Biographical Sketches)	Qty 1 – original Qty 15 – hard copies Qty 15- CD*
Cost Volume for Fundamental Research Component**	Qty 1 – original Qty 5 – hard copies
Completed Representations and Certifications (See Attachment 6.)	Qty 1 – original Qty 2 - hard copies

Completed Request for Proposal (for the Contract) (See Attachment 4.)	Qty 1 – original Qty 2- hard copies
Any Exceptions, Conditions or Comments concerning the Model Cooperative Agreement (See Attachment 3.)	Qty 1- original Qty 2 – hard copies Qty 1 – CD*

*All proposal volumes provided on CD are to be in PDF format, with the exception of the Exceptions, Conditions or Comments concerning the Model Cooperative Agreement, which is to be provided in Word. The quantity of CDs set forth above represents the required number of copies on CD of the entire proposal. Separate CDs are not required for each Proposal Item/Volume, thus multiple Proposal Items/Volumes can be incorporated on a single CD. An index is to be provided as to the Proposal Items/Volumes included on each CD submitted.

Each of these volumes shall contain a table of contents that is **not included in the page limitations set forth below.

Proposal Format Information

Entire Proposal. The entire proposal (including all volumes) should be concise, utilizing one side of each page with no foldout pages. Specific page limitations for each volume are prescribed below. Each proposal must be typed (with type that is not smaller than 11 point or 12 pitch on standard 8 1/2" X 11" paper with one (1) inch margins, 6 lines per inch).

Fundamental Research Component Summary. The pages in the Fundamental Research Component Summary shall be numbered. The Fundamental Research Component Summary should be a brief abstract that summarizes the content of the Research Component of the proposal, the overall vision, the rationale for research topic selection and the crosscutting themes. The Fundamental Research Component Summary **shall not exceed 5 pages**, utilizing one side of the page. Offerors are cautioned that pages in excess of the 5-page limitation will not be included in the evaluation.

Fundamental Research Component Volume. The pages included in the Fundamental Research Component Volume shall be numbered. Offerors are advised that the Fundamental Research Component Volume of the proposal **shall not exceed 30 pages**, utilizing one side of the page.

A table listing all of the Principal Investigators (PI's)/Key Researchers and the number of hours per year that each PI will devote to research must be included and is part of the **30**-page maximum. This table should provide information for the first three years of the program, in the following format specified below.

PI/ Key Researcher Name	Task / subtask Number (keyed to proposal)	Number of Hours* in Year 1	Number of Hours in Year 2	Number of Hours in Year 3

(*This chart is to describe the effort in the number of actual hours, not calendar, academic or summer years.)

The **30**-page maximum does not include Biographical Sketches for key personnel, but does include figures and references. Biographical Sketches shall be included as an appendix to the volume and are limited to two (2) pages per person. Biographical sketches for all academic Principal Investigators (PIs)/Key Researchers shall also include information on current and pending support in the format specified below. The **30**-page maximum does not include the Current and Pending Support information. The Current and Pending Support information shall be included as an appendix to the volume and is limited to two (2) pages per person.

CURRENT AND PENDING SUPPORT
PI/Key Researcher Name:
Support: ____ Current ____ Pending ____ Submission planned in the Near Future
Project/Proposal Title:
Source of Support:
Award Amount (or Annual Rate): \$
Period Covered:
Location of Research:
Person-Months Committed to the Project: Calendar: Academic Year: Summer:
Description of Project:

Offerors are cautioned that pages in excess of the **30**-page limitation, pages in excess of the two-page limitation for the Biographical Sketches, and pages in excess of the two-page limitation for Current and Pending Support, will not be included in the evaluation.

Technology Transition Component Volume (Research Center Proposals). The pages included in the Technology Transition Component Volume shall be numbered. Offerors are advised that the Technology Transition Component Volume of the proposal **shall not exceed 10 pages**, utilizing one side of the page. The **10**-page maximum does not include biographical sketches for key personnel. Biographical sketches shall be limited to two (2) pages per person. Offerors are cautioned that pages in excess of the **10**-page limitation, and pages in excess of the two-page limitation for the Biographical Sketches, will not be included in the evaluation.

Technology Transition Component Volume (Integration Proposals). The pages included in the Technology Transition Component Volume shall be numbered. Offerors are advised that the Technology Transition Component Volume of the proposal **shall not exceed 20 pages**, utilizing one side of the page. The **20**-page maximum does not include biographical sketches for key personnel. Biographical sketches shall be limited to two (2) pages per person. Offerors are cautioned that

pages in excess of the **20**-page limitation, and pages in excess of the two-page limitation for the Biographical Sketches, will not be included in the evaluation.

Program Management Volume (Research Center Proposals). The pages included in the Program Management Volume shall be numbered. Offerors are advised that the Program Management Volume of the proposal **shall not exceed 10 pages**, utilizing one side of the page. The 10-page maximum does not include biographical sketches for key personnel. Biographical sketches shall be limited to two (2) pages per person. Offerors are cautioned that pages in excess of the 10-page limitation, and pages in excess of the two-page limitation for the Biographical Sketches, will not be included in the evaluation.

Program Management Volume (Integration Proposals). The pages included in the Program Management Volume shall be numbered. Offerors are advised that the Program Management Volume of the proposal **shall not exceed 20 pages**, utilizing one side of the page. The 20-page maximum does not include biographical sketches for key personnel. Biographical sketches shall be limited to two (2) pages per person. Offerors are cautioned that pages in excess of the 20-page limitation, and pages in excess of the two-page limitation for the Biographical Sketches, will not be included in the evaluation.

Cost Volume. There is no page limit for the information provided for the cost volume. **Contents for the Cost Volume shall include the entire cost submission for the Fundamental Research Component for the first five years of performance. (The Consortium will be requested to provide a complete cost proposal for the optional five-year period of performance as part of the evaluation to be completed prior to making the decision concerning this optional period.)** The cost portion of the proposal shall contain cost estimates sufficiently detailed for meaningful evaluation. For budget purposes, assume a performance start date of **1 May 2007**. The proposed amounts shall not exceed the funding ceilings identified in **PART III - FUNDAMENTAL RESEARCH COMPONENT** of this PA. Budgets must be presented by cost elements as detailed below.

The estimated costs must be broken down to show the following:

- Direct labor categories, labor rates and labor hours associated with the effort.
- An itemized list of permanent equipment to be acquired showing the cost of each item. Permanent equipment is any article of non-expendable tangible personal property having a useful life of more than two years, and an acquisition cost of \$5,000 or more per unit.
- Education and staff rotation costs.
- A general description and total estimated cost of expendable equipment and supplies.
- Contemplated expenditures for travel with brief explanation of purpose. Estimated costs should include destination, number of people, number of days, airfare, per diem and transportation.
- Other direct costs (e.g., publications, computer costs, insurance).

- Cost for consulting services, if any, showing number of days, daily rate, and estimated travel/per diem costs. The need for consulting services must be fully justified.
- For proposed sub-awards, a description of services or materials that are to be awarded by sub-agreement. For awards totaling \$10,000 or more, provide the following specific information:
 - If known, the identification of the proposed subawardee and an explanation of why and how the subawardee was selected or will be selected.
 - Whether or not the award will be competitive and, if noncompetitive, rationale to justify the absence of competition.
 - The proposed cost in sufficient detail to allow for meaningful evaluation, i.e., an elemental breakdown of cost comparable to that required for any other awardee.
- Indirect rates and associated costs, and the timeframes to which they are applicable.
- A clear identification and explanation of any proposed cost-sharing costs and cost-sharing arrangement, to include the amount or ratio of cost share, when such cost share will be provided, and the evidence of a commitment from the offeror to provide such a cost share. No level of cost sharing is stipulated. Cost sharing will be evaluated based on the degree to which the proposed cost sharing enhances the proposal.

Marking Proposals

The proposal submitted in response to this solicitation may contain technical and other data that the offeror does not want disclosed to the public or used by the US Government for any purpose other than proposal evaluation. Information contained in unsuccessful proposals will remain the property of the offeror except for that evidenced in the Proposal Cover Page and Project Summary. The Government may, however, retain copies of all proposals. Public release of information in any proposal submitted will be subject to applicable statutory and regulatory requirements.

If proprietary information which constitutes a trade secret, proprietary commercial or financial information, confidential personal information, or data affecting the national security, is provided by an offeror in a proposal, it will be treated in confidence, to the extent permitted by law, provided that the following legend appears and is completed on the front of the proposal:

For any purpose other than to evaluate the proposal, this data shall not be disclosed outside the US Government and shall not be duplicated, used, or disclosed in whole or in part, provided that if an award is made to the offeror as a result of or in connection with the submission of this data, the Government shall have the right to duplicate, use or disclose the data to the extent provided in the agreement. This restriction does not limit the Government's right to use information contained in the data if it is obtained from another source without

*restriction. The data subject to this restriction is contained in page(s)
_____ of this proposal.*

Any other legend may be unacceptable to the Government and may constitute grounds for removing the proposal from further consideration and without assuming any liability for inadvertent disclosure. The Government will limit dissemination of properly marked information to within official channels.

In addition, the pages indicated as restricted must be marked with the following legend:

*Use or disclosure of the proposal data on lines specifically identified by asterisk
(*) are subject to the restriction on the front page of this proposal.*

The Government assume no liability for disclosure or use of unmarked data and may use or disclose such data for any purpose.

In the event properly marked data contained in a proposal in response to this solicitation is requested pursuant to the US Freedom of Information Act, 5 USC 552, the offeror will be advised of such request and prior to such release of information will be requested to expeditiously submit to ARL a detailed listing of all information in the proposal which the offeror believes to be exempt from disclosure under the Act. Such action and cooperation on the part of the offeror will ensure that any information released by ARL pursuant to the Act is properly determined.